

Amendments to the Specification

Please replace the abstract of record with the following abstract:

A configurable vibration sensor ~~comprising~~ having a sensor circuit, an analog-to-digital converter and a processor is provided. ~~where each~~ The sensor circuit ~~comprises~~ employs a vibration sensing element and a variable bandwidth filter controllable by the processor. In addition to the variable bandwidth filter, other configurable elements may also be employed in the sensor circuit, including a variable gain amplifier. These configurable elements allow the configurable vibration sensor to be configured for different vibration measurement applications when measuring vibrations from vibrating structures such as machinery and the like.

Please amend paragraph [0045] as follows:

[0045] Configurable alarm logic or event logic may also be available. The alarm logic can be configured to save data derived from the output of specific analog sensor circuits 30 of interest at a particular time in memory 42. The data may include one or more digital signals and a time record, for example. The time series sensor data may be saved in memory 42 for a certain period of time, to be later retrieved by an external device through a communications interface ~~interfaces~~ to analyze the events detected and captured by the alarm.